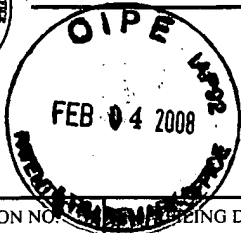




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APPLICATION NO.	FILED DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/731,768	12/08/2003	Steven Soloff	PD-200187A	4266

7590 01/29/2008  
HUGHES ELECTRONICS CORPORATION  
BLDG R11 M.S. A109  
P O BOX 956  
EL SEGUNDO, CA 90245

EXAMINER

LEE, Y YOUNG

ART UNIT PAPER NUMBER

2621

MAIL DATE DELIVERY MODE

01/29/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/731,768	<b>Applicant(s)</b> SOLOFF, STEVEN	
	<b>Examiner</b> Y. Lee	<b>Art Unit</b> 2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |  |
|--|--|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>5/16/05-3/21/07</u> . | 6) <input type="checkbox"/> Other: ____  |

## **DETAILED ACTION**

### ***Claim Objections***

1. Claim 1 is objected to because of the following informalities: line 3, after "displays", --,-- should be inserted. Appropriate correction is required.

### ***Claim Rejections - 35 USC § 112***

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:  
  
The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
3. Claims 1-6 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
4. Claims 1 and 3-5 recite the limitation "said on-screen indicia" in lines 6, 5, 5, and 5, respectively. There is insufficient antecedent basis for this limitation in the claims.
5. Claims 1, 2, and 5 recite the limitation "the current camera angle" in lines 7-8, 10, and 6, respectively. There is insufficient antecedent basis for this limitation in the claims.
6. Claims 1 and 3-6 recite the limitation "said camera angles" in lines 10, 8, 9, 9, and 7, respectively. There is insufficient antecedent basis for this limitation in the claims.

### ***Claim Rejections - 35 USC § 103***

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claims 1-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Freeman et al (2002/0188943) in view of Rainville et al (2002/0069411).

Freeman et al, in Figures 1 and 2, discloses an interactive system for providing full interactivity with live programming events that is the same user interface for allowing a user to select from and view a plurality of video images each representing a unique camera angle captured by one or more cameras at an event at a given venue to provide camera angle displays 10 as specified in claims 1-6, the user interface comprising software for providing images to a viewing device (Fig. 1) and video image selection means 5 for providing a user with a means of selecting from a variety of the camera angles 100 for viewing the event ([0032-0050] and [0061]-[0088]).

It is noted Freeman et al differs from the present invention in that it fails to particularly disclose and on-screen viewing indicia to a viewing device to facilitate navigation between the camera angle displays as specified in claims 1-6. Rainville et al however, in Figure 3, teaches the concept of such well known on-screen indicia comprises a transparent bar 503, a display of navigation keys to provide the user with directional navigation instructions, and a textual description of the current camera angle being viewed (e.g. Fig. 3), all superimposed upon the viewing device 500.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made, having both the references of Freeman et al and Rainville et al before him/her, to exploit the well known transparent display technique of Rainville

et al in the viewing device of Freeman et al in order to avoid covering up any important part of the background image.

### ***Double Patenting***

9. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

10. Claims 1-6 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1 and 8 of U.S. Patent No. 6,889,384.

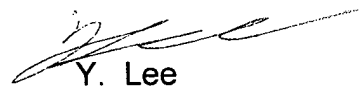
Although the conflicting claims are not identical, they are not patentably distinct from each other because the claims in the application are broader than the ones in the patent. 214 U.S.P.Q. 761 *In re Van Ornum and Stanz*.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Y. Lee whose telephone number is (571) 272-7334. The examiner can normally be reached on (571) 272-7334.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Miller can be reached on (571) 272-7353. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

  
Y. Lee  
Primary Examiner  
Art Unit 2621

yl

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)	<b>Complete if Known</b>	
	Application Number	10/731,768
	Filing Date	December 8, 2003
	First Named Inventor	Steven M. Soloff
	Art Unit	2611
	Examiner Name	Christopher C. Grant
Sheet 1 of 1	Attorney Docket Number	PD-200187A

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
YL/		US-6,490,356	12-2002	Beuque, Jean-Bernard	
YL/		US-6,792,007	09-2004	Hamada et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T

Examiner Signature	/Y Lee/	Date Considered	01/24/2008
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO/SB/08A (08-03)

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YL		US-6,308,081	10-2001	Kolmonen, Juha	
		US-6,788,710	09-2004	Knutson et al.	
		US-5,163,046	11-1992	Hahne et al.	
		US-2004/0228315	11-2004	Malkamaki, Esa	
		US-6,097,739	08-2000	Yamashita, Hiroaki	
		US-2001/0036198	11-2001	Arsenault et al.	
		US-2003/0214982	11-2003	Lorek et al.	

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NYL		US-6,097,441	08-2000	Allport, David E.	

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		Application Number	10/731,768
		Filing Date	December 8, 2003
		First Named Inventor	Steven Soloff
		Art Unit	2623
Date: March 29, 2006		Examiner Name	GRANT, Christopher C.
Sheet 1 of 1		Attorney Docket Number	PD-200187A

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
NYL		US-6,782,006	08-2004	Tanaka et al.	
		US-5,970,071	10-1999	Le Garrec, Thomas	
		US-4,581,746	04-1986	Arnold, Hamilton W.	
		US-5,461,619	10-1995	Citta et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/731,768
		Filing Date	12-08-2003
		First Named Inventor	Steven Soloff
		Art Unit	2623
		Examiner Name	GRANT, Christopher C.
Date:	May 31, 2006		
Sheet 1 of 2		Attorney Docket Number	PD-200187A

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NYL		US-6,680,746	01-2004	Kawai et al.	
		US-2001/0019360	09-2001	Tanaka et al.	
		US-2002/0069411	06-2002	Rainville et al.	
		US-5,861,881	01-1999	Freeman et al.	
		US-5,410,344	04-1995	Graves et al.	
		US-5,724,091	03-1998	Freeman et al.	
		US-5,594,935	01-1997	Reber et al.	
		US-5,557,724	09-1996	Sampat et al.	
		US-5,861,881	01-1999	Freeman et al.	
		US-6,470,498	10-2002	Reber et al.	
		US-5,157,491	10-1992	Kassath, L. Samuel A.	
		US-6,499,027	12-2002	Weinberger, Alan J.	
		US-2002/0188943	12-2002	Freeman et al.	
		US-6,504,990	01-2003	Abecassis, Max	
		US-5,714,997	02-1998	Anderson, David P.	
		US-6,101,536	08-2000	Kotani et al.	
		US-5,563,648	10-1996	Menand et al.	
		US-5,819,034	10-1998	Joseph et al.	
		US-6,728,705	04-2004	Licon et al.	
		US-6,393,427	05-2002	Vu et al.	
		US-6,268,849	07-2001	Boyer et al.	
		US-5,933,827	08-1999	Cole et al.	
		US-6,816,201	11-2004	Fang et al.	
		US-6,675,385	01-2004	Wang, Jeffrey Yutong	
		US-200/20089416	06-2002	Stiles, Herschel W.	
		US-6,606,746	08-2003	Zdepski et al.	
		US-5,668,591	09-1997	Shintani, Peter	

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	Application Number	10/731,768
	Filing Date	12/08/2003
	First Named Inventor	Steven Soloff
	Art Unit	2823
	Examiner Name	GRANT, Christopher C.
Date:	March 21, 2007	
Sheet 1 of 1	Attorney Docket Number	PD-200187A

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NYL		US-2003/0158932	08-2003	Machida et al.	

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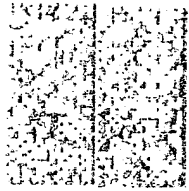
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